

IN THE CLAIMS

Please delete Claims 2, 3, 8 and 9.

Please amend the following Claims as follows:

02 1 1. A disk for a hard disk drive having a head including a read element
2 and a write element, the read element and the write element having a position
3 offset, comprising:

4 a disk having a plurality of tracks, each track having a centerline,
5 one of said tracks having a servo field and a calibration field with a calibration
6 field centerline that is offset from the track centerline, said calibration field
7 includes a single calibration burst providing a burst profile with a peak value,
8 that is used to generate a position offset signal, said calibration burst being
9 written by said head, a second one of said tracks having a servo field and a
10 calibration storage field with a calibration storage field centerline that is centered
11 along the track centerline, wherein information representing the position offset
12 is stored in the calibration storage field.

03 1 ~~A~~² (Once Amended) The disk as recited in claim [3] 1, wherein said
2 position offset signal has a position offset signal amplitude that is stored in said
3 calibration storage field.

04 1 ~~A~~³ (Once Amended) The disk as recited in claim [2] 1, wherein said
2 track includes a data field, said calibration field being located in said data field.

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1 ^{6.4} (Once Amended) The disk as recited in claim [2] 1, wherein said
2 servo field of said one of said tracks and said servo field of said second one of said
3 tracks each contains a set of servo bits including an A bit and a B bit that have a
4 common boundary located at the track centerline.

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1 ^{7.5} (Once Amended) A hard disk drive, comprising:
2 a housing;
3 an actuator arm mounted to said housing;
4 a head that is mounted to said actuator arm, said head having a
5 write element and a read element, the read element and the write element
6 having a position offset;
7 a spin motor mounted to said housing; and
8 a disk attached to said spin motor, said disk having a plurality of
9 tracks that each have a centerline, one of said tracks having a servo field and a
10 calibration field with a calibration field centerline that is offset from the track
11 centerline, said calibration field includes a single calibration burst providing a
12 burst profile with a peak value, that is used to generate a position offset signal,
13 said calibration burst being written by said head, a second one of said tracks
14 having a servo field and a calibration storage field with a calibration storage field
15 center line that is centered along the track centerline, wherein information
16 representing the position offset is stored in the calibration storage field.

1 ⁶~~10.~~_A (Once Amended) The hard disk drive as recited in claim [8] ~~7~~_A⁵
2 wherein said position offset signal has a position offset signal amplitude that is
3 stored in said calibration storage field.

1 ⁷~~11.~~_A (Once Amended) The hard disk drive as recited in claim [8] ~~7~~_A⁵
2 wherein said track includes a data field, said calibration field being located in said
3 data field.

1 ⁸~~12.~~_A (Once Amended) The hard disk drive as recited in claim [8] ~~7~~_A⁵
2 wherein said servo field of said one of said tracks and said servo field of said
3 second one of said tracks each contains a set of servo bits including an A bit and a
4 B bit that have a common boundary located at the track centerline.

1 ⁹~~13.~~_A (Once Amended) A method for calibrating and storing information
2 representing the offset between a read element and a write element of a head in a
3 hard disk drive, comprising the steps of:
4 a) providing a disk having a plurality of tracks each having a
5 centerline, a first one of said tracks having a servo field and a single calibration
6 burst providing a burst profile with a peak value, said calibration burst having
7 [with] a calibration burst centerline that is offset from the track centerline, a
8 second one of said tracks having a servo field and a calibration storage field with
9 a calibration storage field centerline that is centered along the track centerline;